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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/578,786
	Filing Date	May 9, 2006
	First Named Inventor	Euan Christopher Smith
	Group Art Unit	2629
	Examiner Name	Robert Stone
Sheet 1 of 3		Attorney Docket No: 1365.107US1

US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2002/0033782A1	03/21/2002	Ogusu, K., et al.	08/28/2001
	US-2002/0054266A1	05/09/2002	Nishimura, K. N	08/23/1999
	US-2002/0097211A1	07/25/2002	YASUNISHI, N., et al.	02/26/1999
	US-2003/0030608A1	02/13/2003	Kurumisawa, T, et al.	08/06/2002
	US-2003/0048238A1	03/13/2003	Tsuge, H, et al.	09/13/2002
	US-2003/0128225A1	07/10/2003	Credelle, T L, et al.	10/22/2002
	US-2005/0057462A1	03/17/2005	Atsushi, Kota, et al.	10/18/2004
	US-2005/0110720A1	05/26/2005	Akimoto, H., et al.	07/20/2004
	US-2005/0190119A1	09/01/2005	Tatsuro, Yamazaki, et al.	02/17/2005
	US-2006/0214890A1	09/28/2006	Morio, Morishige, et al.	06/05/2003
	US-2008/0291122A1	11/27/2008	Smith, E. C	05/09/2006
	US-5,172,108	12/15/1992	Wakabayashi, T., et al.	02/24/1992
	US-5,900,856	05/04/1999	Lino, S, et al.	06/07/1995
	US-6,366,026	04/02/2002	Saito, Y, et al.	03/03/2000
	US-6,501,226	12/31/2002	Lai, W Y, et al.	02/12/2001
	US-6,771,235	08/03/2004	Ishizuka, S, et al.	11/01/2001
	US-6,806,857	10/19/2004	Sempel, E, et al.	05/01/2001
	US-7,327,358	02/05/2008	Kenichi, Tajiri, et al.	09/01/2004

FOREIGN PATENT DOCUMENTS				
Examiner Initials *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ¹
	EP-1457958A2	09/15/2004	Ando, M.	
	GB-2388236A	11/05/2003	Smith, E. C., et al.	
	GB-2389951A	12/24/2003	Routley, P. R., et al.	
	GB-2389952A	12/24/2003	Routley, P. R., et al.	
	JP-10-260659A (w/ English Abstract)	09/29/1998	Nagai, M., et al.	Previously Considered in 1449 on 10/7/2009
	JP-2002-258805A (w/ English Abstract)	09/11/2002	Takahara, H., et al.	
	JP-2002-342842A (w/ English Abstract)	11/29/2002	Takahara, H., et al.	
	JP-2003-084732A (w/ English Abstract)	03/19/2003	Tsuge, H., et al.	
	JP-2003-108082A (w/ English Abstract)	04/11/2003	Kawaguchi, K.	
	JP-2004-133138A (w/ English Abstract)	04/30/2004	Yamazaki, T., et al.	
	WO-94/27276A1	11/24/1994	Orlen, N. P.	
	WO-95/04986A1	02/16/1995	Saidi, A.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ¹
	WO-03/094140A1	11/13/2003	Smith	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	"Application Serial No. 10/578,659, Non-Final Office Action mailed 11-12-09", 37 pgs.	
	"Application Serial No. 10/578,659, Response filed 03-12-10 to Non-Final Office Action mailed 11-12-09", 18 pgs.	
	"Application Serial No. 10/578,659, Response filed 3-31-09 to Restriction Requirement mailed 02-03-09", 15 pgs.	
	"Application Serial No. 10/578,659, Response filed 9-16-09 to Restriction Requirement mailed 07-17-09", 14 pgs.	
	"Application Serial No. 10/578,659, Restriction Requirement mailed 02-03-09", 7 pgs.	
	"Application Serial No. 10/578,659, Restriction Requirement mailed 07-17-09", 6 pgs.	
	"Application Serial No. 10/578,941, Final Office Action mailed 08-05-09", 19 pgs.	
	"Application Serial No. 10/578,941, Non-Final Office Action mailed 01-21-10", 20 pgs.	
	"Application Serial No. 10/578,941, Non-Final Office Action mailed 12-23-08", 36 pgs.	
	"Application Serial No. 10/578,941, Preliminary Amendment filed 3-23-07", 3 pgs.	
	"Application Serial No. 10/578,941, Response filed 04-21-09 to Non-Final Office Action mailed 12-23-08", 18 pgs.	
	"Application Serial No. 10/578,941, Response filed 10-27-09 to Final Office Action mailed 08-05-09", 11 pgs.	
	"Application Serial No. 10/578,941, Response filed 04-22-10 to Non-Final Office Action mailed 01-21-10", 11 pgs.	
	"International Application Serial No. PCT/GB2005/050167, International Search Report mailed 01-17-07", 2 pgs.	
	"International Application Serial No. PCT/GB2005/050167, Written Opinion mailed 01-17-07", 7 pgs.	
	"International Application Serial No. PCT/GB2005/050219, International Search Report mailed 2-20-2008", 3 pgs.	
	"International Application Serial No. PCT/GB2005/050219, Written Opinion 2-20-2008", 17 pgs.	
	"United Kingdom Search Report for Application No. GB0524337.3", 1 Page	
	BERRY, M. W., et al., "Algorithms and Applications for Approximate Nonnegative Matrix Factorization", <i>Computational Statistics & Data Analysis</i> , 52, (2007), 155-173	
	CHU, M., et al., "Optimality, Computation, and Interpretation of Nonnegative Matrix Factorizations", [online]. VERSION: October 18, 2004. [retrieved 2008-02-06]. Retrieved from the Internet: <URL: http://www.wfu.edu/~plemmons/papers/chu_ple.pdf >, 18 pgs.	

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OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	EISENBRAND, F., et al., "Algorithms for Longer OLED Lifetime", <u>Proceedings, 6th Workshop on Experimental Algorithms (WEA 2007), Lecture Notes in Computer Science, Vol. 4525, (2007), 338-351</u>	
	GUILLAMET, D., et al., "Non-negative Matrix Factorization for Face Recognition", <u>Lecture Notes in Computer Science, Vol. 2504/2002 - Topics in Artificial Intelligence: 5th Catalanian Conference on AI (CCIA 2002), (2002), 336-344</u>	
	SMITH, E. C., "8.3: Total Matrix Addressing (TMA tm)", <u>International Symposium Digest of Technical Papers (SID 2007), (2007), 93-96</u>	
	TROPP, J. A., "Literature Survey: Non-Negative Matrix Factorization", [online]. Preprint, University of Texas at Austin. [retrieved 2008-02-07]. Retrieved from the Internet: <URL: http://www.acm.caltech.edu/jtropp/notes/Tro03-Literature-Survey.pdf >, (2003), 10 pgs.	

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